

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Assistant Secretary for Housing-Federal Housing Commissioner

TO: DIRECTORS, HOUSING DIVISION
DIRECTORS, MULTIFAMILY DIVISION
DIRECTORS, SINGLE FAMILY DIVISION

Series and Series Number:

(Supersedes issue dated
August 15, 1994)

MATERIALS RELEASE NO. 1244b

ISSUE DATE: March 11, 1998

REVIEW DATE: March 11, 2001

SUBJECT: 1. Product U. S. Brick Systems

2. Name and Address
of Manufacturer

Real Brick Products, Inc.
P.O. Box 907
Owosso, MI 48867

Data on the nonstandard product, described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement, or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Exterior brick wall veneer.

DESCRIPTION:

The U.S. Brick System consists of a 1/2" thick facebrick adhered to a vacuum formed polystyrene sheet, which is bonded to a 1" insulating polystyrene foam board. The panelized siding product is an exterior insulating finish system designed to simulate brick veneer construction in a running bond, stack bond, or soldier course pattern. The panels may be specified with 1/2", 1", 1 1/2", or 2" thick foam board, and 4' x 8' panel with 36 courses of modular bricks with a minimum density of 6 lbs/cu. ft.

The panels are mechanically fastened to the structural wall by installing U. S. Brick Systems fasteners at approximately every square foot of brick panel.

All materials used in manufacture of this product and all installation procedures, unless modified herein, shall comply with HUD Minimum Property Standards (MPS). U. S. Brick Systems may be used over sheathed walls that provide adequate racking resistance.

Materials:

Brick size shall be 7 5/8" x 2 1/4" x 1/2" slabs meeting the requirements of ASTM C216, grade SW.

The polystyrene board to which the brick is adhered, shall be extruded polystyrene board, conforming to ASTM C578 Type IV board.

Adhesive for affixing the bricks to the insulation board shall conform to ASTM D1183-96.

Grouting mortar shall be Real Brick Products, Inc. "Brick Grout-Mix," containing a redisburseable latex polymer. The grouting mortar shall be mixed with water at the job site.

Installation:

The installation shall be in accordance with the manufacturer's instructions.

DESIGN CRITERIA:

Maximum effective velocity wind pressures shall be determined by ASCE 7-93.

LIMITATIONS:

The exterior wall construction shall provide adequate resistance to racking, independent of the U.S. Brick Systems, in compliance with HUD MPS.

The maximum allowable external and internal effective velocity pressure of the U.S. Brick Systems shall be 31 psf when installed according to the Real Brick Products, Inc. installation requirements.

WARRANTY:

Real Brick Products, Inc. shall warrant U.S. Brick Systems for fifty (50) years against faulty performance. The warranty shall include corrections of delamination, denting, cracking, peeling, blistering, flaking, bulging, unsightly discoloration, and other serious deterioration of the system. Should any defects appear, Real Brick Products, Inc. shall make a pro rata allowance for replacement, or pay the owner the amount of the allowance. Real Brick Products, Inc. shall not be liable for damage or defects resulting from misuse, natural catastrophes (other than hail), or other causes beyond the control of the Real Brick Products, Inc.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this Materials Release (MR) commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Office of Consumer and Regulatory Affairs, Manufactured Housing and Standards Division, HUD Headquarters, with a representative list of properties in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to HUD Headquarters. Appropriate User Fee shall be sent to:

U.S. Department of Housing and Urban Development
Technical Suitability of Products Fees
P.O. Box 954199
St. Louis, MO 63195-4199

The holder of this MR may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program," and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of this MR. HUD will notify the manufacturer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted material, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a cancelled document.

This Materials Release is issued solely for the captioned firm, and is not transferable to any person or successor entity.
